

Project identification

# Tunnel Safety Schiphol

Type of project

Tunnel Renovation



Client

**Schiphol Nederland BV**

In co-operation with

Project assignment

**Functional specifications for the renovation of the Airport tunnels**

Country

**The Netherlands**

Location

**Schiphol Airport**

Project duration

**07/2013 - 12/2018**

Project phase

**Completed**

Construction cost

**(excl. VAT)**

Consultancy fee

**> € 1 million  
(excl. VAT)**

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# Tunnel Safety Schiphol

Type of project

Tunnel Renovation

Project description

TEC partner Haskoning has been requested to develop functional specifications for the renovation of the landside Buitenveldert tunnel and the airside Kaagbaan tunnel located on Schiphol Airport.

The renovation was necessary because of the new Dutch tunnel legislation that will become mandatory in 2019. Stakeholder Management, safety studies and technical analyses were part of this assignment. An integral approach regarding installations, systems, procedures and business processes are essential for achieving a successful system integration and therefore safe tunnels. This is even more important since Airport Tunnels are different from common public road tunnels and required a tailor-made approach. All services were carried out in close collaboration with the Owner Schiphol Nederland B.V. and managing budget, planning and quality.

The result of the project was a complete set of functional specifications, appropriate to launch the renovation tenders. The functional specifications consisted of requirements originating legislation, requirements from stakeholders and requirements from asset management. Performing the renovation using these specifications will guarantee that the tunnels will meet the new legislation regarding tunnel safety.



*Airside Kaagbaan tunnel*

Scope of work

- Preparation of functional specifications for Design and Construct / Turnkey contracts
- Safety studies
- Technical analyses
- Stakeholder engagement and management
- Consultancy Expert Opinion
- Project Management